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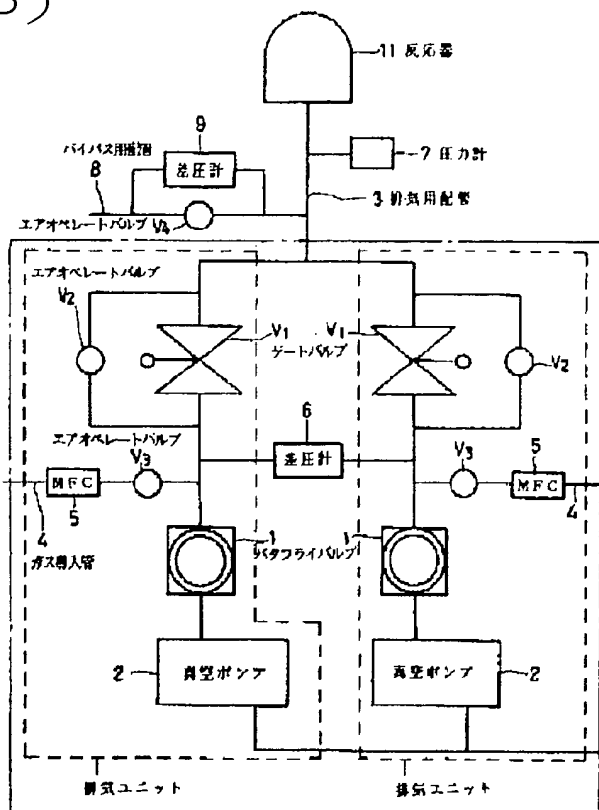
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TITLE : DECOMPRESSION EXHAUST SYSTEM  
AND DECOMPRESSION  
VAPOR-PHASE TREATING  
APPARATUS



ABSTRACT : PROBLEM TO BE SOLVED: To provide a decompression exhaust system and decompression vapor- phase treating apparatus good in pressure controllability and high in safety and availability of the apparatus.

SOLUTION: A decompression exhaust system having a vacuum pump 2 with a butterfly valve 1 and two exhaust units having mutually connected intakes is connected to a reactor 11 of a decompression MOCVD(metal org. compd. chemical vapor deposition) apparatus. For controlling the growth pressure in the reactor 11 being evacuated, both exhaust units are used at the same time. If required, an  $N_2$  gas is fed into exhausting pipings 3 at the upstream of the valves 1 of the exhaust units to reduce nearly to zero between the pressure difference at both exhaust nits. In other example, a similar decompression exhaust system is connected to two or more reactors 11 of a decompression MOCVD apparatus.

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